

AN INFORMAL PUBLICATION



The **Gargoyle** is an informal news publication issued by the Architectural and Planning Branch (CEMP-EA), HQUSACE, for architects, interior designers, and landscape architects throughout USACE. This is the **June 1997** edition. We ask that this information be **widely distributed in your area.**

Gargoyle Basics

The Gargoyle is distributed by e-mail to the addressees we have on our list of USACE Architectural Points of Contact. Please let us know if your address changes to help us keep you in the loop. Your comments, recommendations, and questions about individual **Gargoyle** topics may be directed to the points of contact (POC) provided with each article. E-mail addresses and phone numbers for HQUSACE contributors are provided at the end of each edition. We also welcome your contributions. Information and news of interest to, or about, USACE architects, interior designers, or landscape architects should be e-mailed to Rick **Dahnke.** Past and present *Gargoyles* are available from the World Wide Web (WWW) via our Branch Home Page at http://www.hq.usace.army.mil/cemp/e/ea/cemp_ea. htm. Web sites references not included in individual articles are provided at the end of each *Gargoyle* edition under the heading Important Internet Web Sites.

Current Events

• The 1997 USACE Architect, Landscape Architect, and Interior Designer Symposium/Workshop. We regret to inform you that this year's symposium--scheduled for 4 through 8 August--has been **postponed**. This is based on an informal survey of USACE Commands indicating there

are insufficient resources available at this time to provide the participation needed for a successful symposium. We will evaluate rescheduling the symposium for FY 98.

We thank all of you for your response to requests for agenda topics and logistics support. We continue to encourage professional networking, regional workshops among working level professionals, and sharing information through the *Gargoyle* and the USACE WWW. To support this effort, we need your feedback, lessons-learned, or other information and articles to include in the *Gargoyle* and on the web. Contact Ed Racht for additional information.

- 1998 Chief of Engineers Design and Environmental Awards Program. This will be a continuing reminder that the instructions for the 1998 awards program have been issued and are also available through the WWW at http://www.hq.usace.army.mil/cemp/e/ea/awd/awndx.htm along with a color brochure of the 1996 program winners. Submissions for the 1998 program are due no later than COB on Friday, 30 January 1998. Contact Dale Moeller for additional information.
- Proposed Army Design Awards Program. Based on a Directorate of Military Programs round table discussion at HQUSACE, a memo is being staffed for the Director's signature proposing that the ACSIM establish a DA Design and Environmental Awards Program similar to the Air Force

and USACE programs. The DA program would not only recognize outstanding design efforts of USACE, but would also be open to installation/DPW designs. **Contact Dale Moeller for additional information.**

Personnel News Around the Corps

- Honor Awards were recently presented to two Headquarters team members in Engineering Division, Directorate of Military Programs, for their contributions to USACE. Bill Holmes, Deputy Chief of CEMP-E, received the Superior Civilian Service Award for his leadership and technical knowledge in developing Architectural and Engineering Instructions and related criteria documents from February 1984 to the present. Frank Norcross, CEMP-EA, was awarded the Achievement Medal for Civilian Service for his 1996 accomplishments in Army Family Housing. Congratulations, guys!
- Marion Harrison, Jr., Architect and Design Branch Chief at the Savannah District, recently won a silver and a bronze metal at the National Senior Track and Field Championships held in Tucson, AZ, 24-28 May 1997. Marion was second in the 100m dash and 3rd in the 200m dash in the 55-59 age group. His times were 12.7 seconds in the 100m and 26.1 in the 200m. His personal best times for the 2 events in other meets this year were 12.5 and 25.7. This just goes to show that architects get older, but they're still quick on their feet. Way to go, Marion!

DA Facilities Standardization Program

- ●The USACE Facilities Standardization Committee is scheduled to meet the week of 18 August 1997 in Washington, DC. Representatives from USACE Commands will discuss the status of the DA Facilities Standardization Program, DA standard design packages under development and/or revision, revised roles and responsibilities of USACE standards committee members, reducing the number of Centers of Standardization, and the CADD Library as a means of providing better access to DA standard design packages and completed projects based on DA standards.
- Messrs. Donald Koretz and Fred Galione of Arthur D.
 Little Programs Systems Management Company met with CEMP-EA on 13 June 1997 to discuss the DA Facilities Standardization Program. Arthur D. Little is under contract by the Federal Aviation Administration to study the feasibility of establishing a facilities standardization program to

support its *Airway Facilities Program*. Discussion topics included the control and coordination of the DA program, implementation procedures, and facility selection process. A copy of ER 1130-3-113, *Department of The Army Facilities Standardization Program*, was provided. Also, a point of contact from the Logistics Management Institute (LMI) was provided. Messrs. Koretz and Galione were interested in obtaining a copy of the report titled *Facilities Standardization: Improving a Successful Program* from LMI.

- Additional information on these issues may be obtained from Al Young.
- Privatization of Barracks. In a meeting with OASA (IL&E), ACSIM, and USACE reps on 8 May 97, a private sector development corporation proposed building unaccompanied enlisted personnel housing (barracks) at no initial cost to the Army and renting the units back within soldiers' BAQ/VHA (housing allowance). This firm has been building university complexes since the late 1980's. The majority of their facilities are two- or four-bedroom, wood frame construction with vinyl siding, asphalt shingles, 3-story or less, and residential style mechanical systems (individual furnaces and hot water heaters). For an additional cost, non-combustible construction could also be provided.

Amenities and items of interest included complete management and maintenance by the contractor, full kitchens, possible swimming pools, community buildings, laundry facilities, separate living and sleeping areas, no upfront costs for construction, amortization over 20-40 years, occupancy guarantees, operations and maintenance contracts, and costs as related to BAQ/VHA. OASA (IL&E) feels the idea is worth further study, and a possible prototype project was suggested for an administrative-type installation like Ft. Meade. The ACSIM reps were directed to coordinate with MACOM and installation commanders to identify a possible pilot project.

- For additional information, contact Jeff Hooghouse.
- Standard Design Evaluation Team Visit. A DA Facilities Standardization Program Evaluation Team is scheduled to evaluate the DA Standard Design Package for UEPH (barracks) on a site visit to Ft. Rucker and Ft. Benning on 14 through 17 July 1997. Additionally, supporting facilities such as the soldiers' community building, dining facilities, and company operations facilities will be evaluated. The team includes Bob DiAngelo (CEMP-ET, fire protection engineer), MAJ Turner

(ODCSPER, the barracks proponent), Joyce VanSlyke (OACSIM), Tom Brockbank (CESAS, Center of Standardization for UEPH), and Jeff Hooghouse (CEMPEA). Mr. Goldie Bailey (proponent for dining facilities, Army Center of Excellence Subsistence) will participate in the Ft. Benning visit. For additional information, contact Jeff Hooghouse.

The Barracks Upgrade Program (BUP)

• The Ft. Worth District (CESWF) has performed a value engineering (VE) study on the standard design package for the upgrade of BB&A (Benham, Blair & Affiliates) type existing barracks. CESWF should complete the study and submit it for review by the last week of June. We anticipate having the final report to the districts by mid-July. The final report of the VE study on the standard design package for the upgrade of LBC&W (Lyles, Bissett, Carlisle & Wolfe) type existing barracks was issued to the districts in April of this year. Each district should have incorporated the accepted VE changes into their installation-specific designs. For additional information on BUP and Installation Support issues, please contact Stan Swofford.

Historic Preservation

- •Historic Structures, Craft Skills Training, PROSPECT 163, will be offered in FY 98, at Fort Sam Houston, San Antonio, TX, 9 through 13 February 1998, only if 16 additional reservations are received for the course by 1 August 1997. This course is excellent for developing repair skills needed for preserving and reusing historic structures. Please consider this course for FY 98 and mention it to installation people with whom you work. Contact the CEHNC Registrar at (205) 895-7420, facsimile (205) 895-7469, for reservations.
- Historic Structures, Maintenance and Repair, PROSPECT 392, will be offered in Seattle, WA, 16 through 20 March 1998 at a tuition \$1,120, if 13 additional requests for the course are received by 1 August 1997. This course is vital to development of installation support skills needed to plan, program, manage, design, and construct projects involving historic structures and buildings. Please contact the CEHNC Registrar for reservations at (205) 895-7420, facsimile (205) 895-7469 for reservations.
- •For additional information on historic preservation issues, please contact Frank Norcross.

Interior Design News

- Pre-wired Workstations in Military Construction. The Deputy Assistant Secretary of the Army (Installations and Housing) [OASA(IL&E)] has provided guidance on this subject in a memorandum dated 20 May 1997. Basically, any unawarded project must be submitted to UNICOR. The memorandum was addressed to Assistant Chief of Staff for Installation Management; Chief, Army National Guard Bureau; Chief, Army Reserve; and the Director of Military Programs, USACE. Included with the memorandum was the Todd Wyler memorandum addressed to the Deputy Under Secretary of Defense (Industrial Affairs & Installations), also dated 20 May 1997. The OASA(IL&E) memorandum, subject: U.S. Army Policy on Programming and Procurement of Pre-Wired Workstations as Related to MILCON, makes the following three points:
- Beginning in FY99, pre-wired workstations will be purchased with OMA funds. DD Forms 1391, which indicate that pre-wired workstations are to be MILCON funded, will be revised to reflect OMA funding prior to submission to Congress. (DD Forms 1391 for the FY99 program will need to be revised.)
- ●Unawarded FY 97 (fourth quarter) and prior and all FY 98 MILCON projects will be submitted to UNICOR for procurement or waiver by providing the agency requirements to UNICOR for a determination of whether UNICOR can meet the requirements. The purchase will be made with MILCON funds if specifically identified as such in the project DD Form 1391 (front page) submitted to Congress. If not identified as MILCON, OMA funds will be used. (It is suggested that pre-wired workstations be made an option to the contract so that, in the event of a waiver, the construction contractor can provide them.)
- •Awarded FY 97 and prior projects which include pre-wired workstations as part of the construction contract will not be submitted to UNICOR. The funding source will remain as currently planned.
- •First Impact. The first project to go to UNICOR is the relocation of service schools from Fort McClellan, AL, to Fort Leonard Wood, MO. Representatives from CENWK, the Fort Leonard Wood BRAC Office, and HQUSACE met with UNICOR on 24 June 1997. Primary issues discussed included the critical schedule of the Fort Leonard Wood BRAC project, cost, project management issues, engineering, samples, and test data. UNICOR now has 45

days to present their proposal, which is due in CENWK on Friday, 8 August 1997. CENWK will evaluate the proposal and will inform HQUSACE within an additional 15 days. Requesting UNICOR to work as a subcontractor to the prime contractor appears to be advantageous to allow concurrent work on building completion and furniture installation. It also provides the needed prime contractor responsibility for the installation, balancing, and testing of the building electrical, communications, and data lines to the workstations. The meeting was cordial, UNICOR wants this job, and they have a significant vested interest in its success.

- •Continuing Impacts. HQUSACE will develop a policy memorandum to implement the OASA(IL&E) guidance discussed above. We will continue to work with UNICOR toward development of an MOA to clarify our working relationship when pre-wired workstations are critical to providing a complete and usable facility and are part of the construction contract.
- For information on the above interior design issues, please contact Frank Norcross.

Millimeter (mm) News

- The HQUSACE Principal Assistant Responsible for Contracting (PARC) has been designated as the DA Metric Ombudsman. The HQUSACE Chief of Contracting Policy Division, Office of the PARC (CEPR-P), is the alternate. As the DA Metric Ombudsman, the PARC will be responsible for reviewing and responding to complaints from prospective bidders, subcontractors, suppliers, or their designated representatives regarding the use of metric standards and materials in accordance with Public Law 104-289, Savings in Construction Act of 1996. The PARC will perform the Ombudsman duties for the US Army Reserve (USAR) and the Army National Guard (ARNG) when the execution of their metric projects is the Corps' responsibility. However, USAR and ARNG will continue to define and issue the metrication policies and metric transition plans for their respective organizations.
- •We thank our District and Division metric points of contact (POC) who took time out of their busy schedules to update the metric project list. The consolidated and updated project list will be furnished to all of our metric POC in the near future.
- •An Engineering Change Recommendation (ENG Form

3078) from the Omaha District concerning specifications of metric concrete masonry blocks (CMU) and recessed light fixtures (RLF) for our metric projects has been reviewed and approved, with modifications. The changes will be incorporated into the Corps of Engineers Guide Specifications (CEGS) pertaining to masonry, non-bearing masonry walls, and acoustical ceiling systems through the Notice Program. These changes will provide guidance on how to provide options for using either metric CMU and RLF products or their inch-pound substitutes in metric projects, without compromising the quality of design, in accordance with the recently passed metric Law, P.L. 104-289.

• For additional metric information, contact Ami Ghosh.

Design Build News and Support

- ER 1180-1-9, Design-Build Contracting, has been revised to include the recent Federal Acquisition Regulation (FAR) changes concerning two-phase design-build selection procedures. The ER also incorporates changes based on lessons-learned obtained from the design-build PROSPECT course and design-build workshops held over the last two years. The revised ER should be approved in July and available on the WWW at: http://www.usace.army.mil/inet/usace-docs/eng-regs/er.htm. The DBI are available on the WWW at http://www.hnd.usace.army.mil/techinfo/tiindex.html.
- The Department of Energy (DOE) recently looked to HQUSACE for help in design-build contracting. The DOE Federal Energy Technology Center (FETC) approached Bert Jermmott, CEMP-R, for support from HQUSACE to evaluate the potential for using design-build on its Savannah River Tritium Reactor project. Initial discussions were conducted through the FETC project manager, Mr. Bob Silva. FETC was provided with the HQUSACE Design-Build Instructions (DBI), our Engineering Regulation (ER) on design-build contracting, and CEMP-EA information papers and briefings concerning design-build. CEMP-EA attended a meeting with FETC to discuss acquisition planning for the Savannah River project, and to further explore the potential for USACE to play a role in the project. Our input during the meeting was greatly appreciated.
- Two meetings were held in HQUSACE (13 and 16 May 97) at the request of the Embassy of Finland Technology Center. On 13 May, Mr. Pekka Pakkala, Embassy of Finland, and Ms. Pirjo Pernu, University of Helsinki

Researcher, met with Mark Grammar (CEMP-CP), Michael Holt (CEMP-EV), and Daniel Duncan (CEMP-EA) to discuss design-build and to share views on design-build as practiced in both countries. On 16 May, Mr. Pakkala and three additional researchers from Finland returned to discuss design-build and other project delivery methods used in Finland and by the Corps. Mr. Pakkala expressed that the Embassy of Finland Technology Center desires to conduct a workshop in Washington, DC, for Finnish public officials and construction industry representatives to meet and learn of the project delivery processes we use in the United States (especially design-build). The meetings were extremely informative, and a recommendation was made to have the Embassy solicit a co-sponsorship for a workshop from the Design-Build Institute of America (DBIA). A cosponsored workshop with DBIA, with participation from US Government agencies, would enhance the exchange of information. The recommendation was well-received and Mr. Pakkala indicated that the Embassy may contact USACE and invite our participation in the workshop.

• For additional design-build information, contact Dan Duncan.

Criteria Updates and Electronic Publishing

- Status of New DoD Instruction (DoDI). A DoD team meeting has been scheduled for 9 July 1997 in Washington, DC, to review comments received on the final draft submission of the DoDI, Facility Planning, Design, Engineering, Construction, Operations, and Maintenance Policy, dated 5 April 1997. This DoDI is being developed to supersede MIL-HDBK 1190. For additional information, contact Al Young.
- •CADD Design Library. A field test is underway to place a limited number of DA Facilities Standardization Program standard design packages and completed designs based on DA standard design packages into the CADD Design Library. Working with the Waterways Experimental Station (WES), CEMP-EA will establish a DA Facilities Standardization Program "shelf" in the CADD Design Library in July 1997. Contact Jeff Hooghouse for more information.
- Master Planning Instructions (MPI). Comprehensive planning guides providing detailed information and guidance on planning-related topics will soon be issued to supplement the MPI to improve the execution of the Army Master Planning Program. The first three out of 16 of these

guides are currently being contracted through the Mobile District. These three comprehensive planning guides, *Approach and Process, Land-Use*, and *Transportation Planning*, are scheduled for publication within four months. **Contact Murray Geyer for more information**.

- ER 1110-345-700, Drawings, Design Analyses, and Specifications (consolidating and superseding ER 1110-345-700, 710, and 720), is now in the Chief of Staff's office for signature and should be on-line on TECHINFO by midJuly. Contact Dan Duncan or Rick Dahnke for more information.
- Revision of the *Design Criteria* AEI. This extensive revision is still underway and will be issued as soon as possible, hopefully by the end of this FY. Contact Rick Dahnke for more information.

The Modular Design System (MDS)

• The Galveston District (CESWG) has proposed using MDS for the Immigration and Naturalization Service (INS) to execute their construction program, though INS is also considering GSA for the job. As part of the proposal to the INS, CESWG indicated the advantages of establishing high quality standard modules in MDS and using MDS in a charette process for quick functional layouts with accurate cost estimates for planning and programming of projects, allowing the completion of designs within 160 days. MDS management team members from CEWES and CECER are providing assistance to CESWG concerning MDS. The same support is available for other districts desiring to use MDS. For more information, contact Dan Duncan.

Specification Actions

- Revised Numbering of Guide Specification. As an ongoing effort, CEGS and CEAGS section numbers are being revised to conform to the 1996 release of MasterFormat, 1995 Edition, from the Construction Specification Institute (CSI). CEGS/CEAGS will be renumbered as required when the specifications are programmed for an update and will be available on TECHINFO as the specifications are approved.
- Plans to modify SPECSINTACT (SI) are underway to allow "pre-editing" of CEGS through the SI system to automatically generate smaller, "narrow scope" specification sections, which will result in the eventual elimination of the abridged guide specifications (CEAGS)

and the need to maintain two separate spec databases. This is based on a survey of CEAGS usage that was sent this past April to each USACE office performing military construction and/or Civil Works construction. The survey results indicated that CEAGS are not high-use documents. Although some offices said that CEAGS may be used more in the future due to the current focus on Installation support projects, the prevalent response indicated that shorter (narrow scope) specs are desired for ease of use.

As an example of how pre-editing will work, consider CEGS-04200, Masonry. This spec would be coded to break it into its various material components (still only one database file), e.g., clay face brick, concrete brick, CMU, glass block, glazed structural units, etc. In SI, the index for 04200 might indicate 04200, 04210, 04215, etc. (or 04200 a, b, c, etc.) for the various narrow scope sections. So, if a project has only 04210, Clay Face Brick, for example, at the click of a button the designer pulls that narrow scope section into the project and **all** appropriate paragraphs applicable to face brick construction would be available for further tailoring by the designer.

The SI software changes to allow this will be completed by 1 October 1997. Re-coding of CEGS to allow the SI preediting will begin this FY and will be substantially completed in mid-FY 98.

• SPECSINTACT (SI). The latest releases of *SI with SGML*, v2.1.4, and *WordSpec*, Beta v0.3, were issued in Volume 40 of CCB (in May 1997) and are available for downloading from the SI Home Page. The beta release of *WordSpec* for using SI with Microsoft Word requires that you have *SI with SGML* and Microsoft Word 6.0c or Word 7.0, as well as access to the SISGML guide specification database on either CCB or TECHINFO.

For offices that may need assistance installing or using SI, the Kennedy Space Center (KSC) maintains a dedicated User Support Desk at (407) 853-2291. Additionally, CECW-EP has arranged for on-site SI training, and PROSPECT Course 185, Specification Writing for Construction Contracts, has been expanded to include four hours of SI job processing and editor instruction. Contact Charles Baldi, (202) 761-8894, for information on the on-site training offered by Civil Works. Contact the CEHNC Training Registrar at (205) 895-7420 for information and reservations for PROSPECT 185.

• Contact Rick Dahnke for more information on

specifications issues.

Medical Facilities Office News

 The AIA National Convention and Federal Agency Interview Program (FAIP). Representatives of USACE participated in the 1997 AIA National Convention and the Federal Agency Interview Program held in New Orleans, LA, 14-18 May 1997. The Corps was represented by Lawrence P. Delaney, AIA (CEMP-EM), Jean A. McGinn, AIA (CEMP-EC), Jesse H. Kidd, II, AIA (CESWF-ED-DA), Curtis W. Delaune, R.A. (CEMVN-ED-DG), and Thomas H. Verdel, III, AIA (CESWT-EC-DM). Other agencies that participated in these events include the General Services Administration (GSA), National Park Service, Air Force, Postal Service, Department of State, Naval Facilities Engineering Command (NAVFAC), Department of Veterans Affairs (VA), National Institutes for Health (NIH), and Rural Housing Service. There were approximately 40 representatives from the various agencies.

The USACE representatives staffed an exhibit booth on the convention floor during the entire period the convention was open. The purpose was to offer private sector architects a chance under the Federal Agency Interview Program to explore design contract opportunities with the Corps. AIA members had the opportunity to schedule 20-minute, one-on-one interviews with agency representatives. Approximately 100 interviews were conducted by the USACE representatives.

During the convention, Mr. Delaney was also a speaker at a continuing education seminar titled *The Federal Design Marketplace: A Roadmap for Accessing Federal Markets*. This seminar was attended by approximately 80 AIA members. AIA staff and GSA, NAVFAC, and VA representatives also participated in the seminar.

The response from the architect community to information provided by USACE was very positive. AIA members gained a clearer understanding of the Corps' role in the design and construction industry, the wide variety of projects the Corps executes, and how to find and compete for Corps work.

• For additional information, contact Larry Delaney.

Important Internet Web Sites

• The CEMP-EA Branch Home Page provides easy

access to hot topics and guidance that the Branch is responsible for. We welcome your input to help us improve communication, share lessons-learned, and provide the information you need. Send comments and suggestions to us directly from the Home Page at http://www.hq.usace.army.mil/cemp/e/ea/cemp ea.htm.

- The Installation Support Home Page provides topical guidance, the current list of USACE Design Champions for Installation Support (DCIS), and the AEI for Installation Support. This site is located at http://www.hq.usace.army.mil/cemp/e/cemp-e.htm.
- The USACE Publications Library will eventually provide access to all official DA and USACE circulars, manuals, regulations, and other documents originating from HQUSACE and issued by the Directorate of Information Management. These publications are being uploaded as they are digitized and converted to PDF (Portable Document File) Format. This initiative is anticipated to be completed with all pubs on-line by the end of this fiscal year. The library site is located at http://www.usace.army.mil/inet/usace-docs/.
- TECHINFO is the official HQUSACE-sponsored site where CEGS, CEAGS, and CWGS are maintained and issued, along with approved Architectural and Engineering Instructions (AEI), Engineering Instructions (EI), Engineering Improvement Recommendation System (EIRS) Bulletins, and related support documents. TECHINFO also links to the USACE Publications Library to single-out the engineering, design, and construction-related DA and USACE publications needed by USACE design and construction team members. This site is located at http://www.hnd.usace.army.mil/techinfo/tiindex.html.
- The Construction Criteria Base (CCB), maintained in CD-ROM and on-line formats by the National Institute of Building Sciences (NIBS), also contains all USACE engineering, design, and construction criteria, as well as related criteria issued by other military, Federal, and private sector organizations. In the near future, NIBS will link to TECHINFO to access our consolidated criteria database for distribution on CCB. This will ensure that we have the same guidance published on all of our distribution sources. The Internet version of CCB is located at http://www.nibs.org/ccb.
- The U.S. Air Force Departmental Publications Library for official AF criteria is located at http://129.198.24.125/

baseinfo/afmenu/usafpubs.htm.

- The SPECSINTACT (SI) Home Page, maintained by the Kennedy Space Center (KSC), accepts user feedback and provides access to the latest software releases, software release notes, the on-line *User Guide*, lessons learned, and other current news. The (new) SI site is located at http://si.ksc.nasa.gov/specsintact.
- The Library of CADD Designs is maintained by the Tri-Service CADD/GIS Technology Center at CEWES and contains CADD drawings for USACE projects, CADD details, and standard symbols available for viewing and downloading. This site is located at http://cadlib.wes.army.mil/cadlib.htm.
- Accessibility Publications. Americans with Disabilities Act (ADA) materials are on-line at http://www.usdoj.gov/crt/ada/publicat.htm.
- The U.S. Architectural and Transportation Barriers Compliance Board (ATBCB) Home Page is located at http://www.access-board.gov/. ATBCB has served the nation as the only independent Federal agency whose primary mission is accessibility for people with disabilities. This site provides current accessibility news updates, answers to frequently asked questions, and required quidance.
- The Government Printing Office (GPO) Access Home Page provides access to several Federal publication databases such as the Federal Register, Congressional Record, and Code of Federal Regulations. This site is located at http://www.access.gpo.gov/su_docs/aces/aaces002.html.
- For more information, contact Rick Dahnke.

Definitions

- **Definition for this Issue:** *SALLY*--a projection, as the end of a rafter beyond the notch which has been cut to fit over a horizontal beam.
- Next Issue's Definition: SPECSINTACT?

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